Instructor: Andrea Tamburelli **Time:** MWF 2-2:50pm
Office: Hermann Brown Hall 444 **Classroom:** HRZ 212
Email: at52@rice.edu

Office Hours: Monday 4-5:30pm, Friday 4:30-6pm, or by appointment.

Textbook: Rudin, W. *Principles of Mathematical Analysis*, 3nd Edition, International Series in Pure and Applied Mathematic.

Course outline: This course covers introductory topics in analysis (construction of real numbers, continuity, sequences, series) and in topology (compact, and connected sets, topology of the real line) with an emphasis on the formal mathematical arguments.

Homework: Homework will be assigned after every class due the following lecture. Homework is a key part of the course and no late assignments will be accepted for any reason. Homework is not pledged and you are encouraged to collaborate with other students in the class. However, your solutions must be written up individually.

Grading: Grades will be based on homework and exams as follows:

Homework:	30 %
Midterm:	30 %
Final exam:	40 %

Important dates: First day of classes: January 7
Midterm: February 28
Last day of classes: April 19
Final: TBA

Warning! It is the policy of the Mathematics Department that no final may be given early to accomodate student travel plans. If you make travel plans that later turn out to conflict with the scheduled exam, then it is your responsability to either reschedule your travel plans or take a zero in the final.

Disability Support: If you have any documented disability that requires academic adjustments or accomodations, please speak with me during the first week of class. All discussions will remain confidential. Students with disabilities will also need to contact Disability Support Services in the Allen Center.

Online sources: The service *Canvas* will be used for this course. Announcements, coursework, etc. will be posted there.